

ABSTRACT OF THE DISCLOSURE

5 The present invention is directed to translational regulatory elements that mediate the amount of protein produced within a host capable of expressing a construct comprising one or more translational regulatory elements in operative association with a gene of interest. These translational regulatory elements were derived from T1275 (tCUP) and exhibit a high degree of similarity with members of the RENT family of
10 repetitive elements. Translational regulatory elements are disclosed that either increase or decrease the amount of protein produced within the host organism. These translational elements are operative in a wide range of hosts including plant, animals, yeast, fungi and bacteria. Analogs, derivatives and fragments of these translational elements are also disclosed..